CLAIMS

1. The use of the compounds of formula (I)

5 in which:

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- R_1 represents an organic radical containing from 1 to 18 carbon atoms, containing at least one nitrogen, phosphorus or silicon atom, the atom immediately adjacent to carbon 11 being a carbon atom,
- R_2 represents a hydrocarbon-based radical containing from 1 to 8 carbon atoms,

- X of formula:



20 represents the residue of a saturated or unsaturated, pentagonal or hexagonal ring optionally substituted with one or more groups chosen from the following radicals: C_1-C_{12} alkyl, alkenyl, alkynyl, aryl or aralkyl, hydroxyl -OH,

carbonyl or
$$-C-X_1$$
, ether $-O-X_2$, este

sulfinyl and also C_1 - C_{12} alkyl, alkenyl, alkynyl, aryl or aralkyl substituted with one or more

hydroxyl -OH, carbonyl -C-H or $-C-X_1$,

halogen, thiol, thioether $-S-X_5$, sulfinyl

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functions, with X_1 , X_2 , X_3 , X_4 , or sulfonyl X_5 , X_6 and X_7 representing C_1-C_8 alkyl, C_2-C_8 alkenyl or C_2 - C_8 alkynyl groups, or C_6 - C_{15} aryl or C_6-C_{15} aralkyl groups,

- the group C=A in the 3-position represents an oxo group, which is free or blocked in the form of a ketal, an alcohol -CH-OH, ether -CH-O- Y_1 , alkyl

carboxylate CH-., C=NOH or $C=NO-Y_3$ group, or a CH_2 group, $Y_1,\ Y_2$ and Y_3 representing an alkyl radical containing from 1 to 8 carbon atoms or an aralkyl group containing from 7 to 15 carbon atoms, and

- B and C together form a double bond or an and of the derived salts, epoxide bridge, medicinal preparing product capable a modulating (activating or inhibiting) the Hedgehog protein signaling pathway, intended for the of pathologies involving а tissue linked to deregulation dysfunction of this pathway.

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- 10 2. The use of the compounds as claimed in claim 1, characterized in that R_2 represents a linear or branched, saturated alkyl radical containing from 1 to 4 carbon atoms, preferably a methyl radical.
- 15 3. The use of the compounds as claimed in claim 1 or claim 2, characterized in that X represents an optionally substituted pentagonal ring.
- 4. The use of the compounds as claimed in claim 3, characterized in that said pentagonal ring is substituted with at least one alkenyl or alkynyl group, preferably with an alkynyl group, preferably in the 17-position.
- 25 5. The use of the compounds as claimed in claim 3 or claim 4, characterized in that said pentagonal ring is also substituted with at least one hydroxyl group.
- 30 6. The use of the compounds as claimed in claim 5, characterized in that X represents the residue of a pentagonal ring of formula:

7. The use of the compounds as claimed in any one of claims 1 to 5, characterized in that R_1 represents a hydrocarbon-based radical containing from 1 to 18 carbon atoms and containing at least one nitrogen atom, selected from:

- the R_1 values which represent a primary, secondary or tertiary alkyl radical containing from 1 to 8 carbon atoms, in particular a methyl, ethyl, n-propyl, isopropyl, butyl, isobutyl, tertbutyl, pentyl, hexyl, cyclopropyl, cyclobutyl, cyclopentyl or cyclohexyl radical, containing at least one nitrogen atom or substituted with a heterocycle containing at least one nitrogen atom and optionally substituted with an alkyl radical containing from 1 to 8 carbon atoms, such as a methyl, ethyl or n-propyl radical, in particular 3,4- or 2-pyridyl radicals, the thiazolyl radical or the piperidinyl radical, and

- the R_1 values which represent an aryl or aralkyl radical carrying an amine function, in particular a phenyl or benzyl radical carrying an amine function:



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in which Z_1 and Z_2 , which may be identical or different, represent a linear, branched or cyclic alkyl radical containing from 1 to 8 carbon atoms, it being possible for Z_1 and Z_2 to be optionally combined so as to form a heterocycle with the nitrogen atom.

8. The use of the compounds as claimed in claim 7, characterized in that Z_1 and Z_2 represent a C_1 - C_4 alkyl radical, and preferentially a methyl

radical.

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- 9. The use of the compounds as claimed in any one of claims 1 to 8, characterized in that the group C=A in the 3-position represents an oxo group.
- 10. The use of the compounds as claimed in any one of claims 1 to 9, characterized in that B and C together form a double bond.
- 11. The use of the compounds as claimed in any one of claims 1 to 10, characterized in that said compound of formula (I) is 17β -hydroxy- 11β -(4-dimethylaminophenyl)- 17α -(prop-1-ynyl)estra-4,9-dien-3-one of formula:

- 12. The use of the compounds as claimed in any one of claims 1 to 11, characterized in that said medicinal product is intended for the treatment of tumors linked to hyperactivation of the Hedgehog pathway.
- The use as claimed in claim 12, characterized in 13. 25 that said tumors are chosen from nervous tissue tumors (medulloblastomas, primitive neuroectotumors, glioblastomas, meningiomas and oligodendrogliomas), skin tumors (basal cell carcinomas, trichoepitheliomas), muscle and bone 30 tissue tumors (rhabdomyosarcomas, osteosarcomas) and tumors of other tissues (kidney, bladder).
 - 14. The use of the compounds as claimed in any one of

claims 1 to 11, characterized in that said medicinal product is intended for the treatment of neurodegenerative-type pathologies.

5 15. The use of the compounds as claimed in any one of claims 1 to 11, characterized in that said medicinal product is intended for the treatment of diabetes.